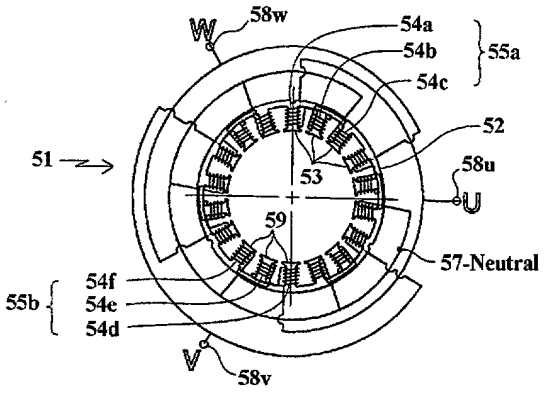

FIG. 1

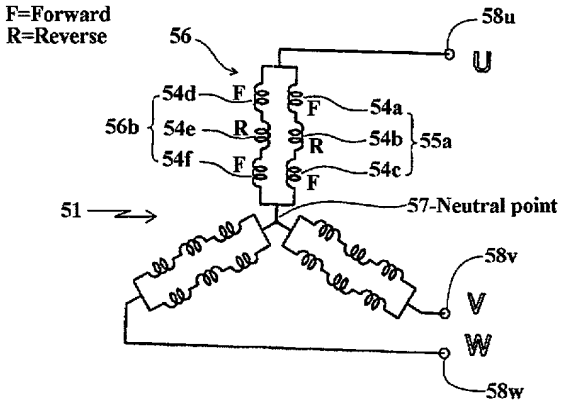

FIG. 2

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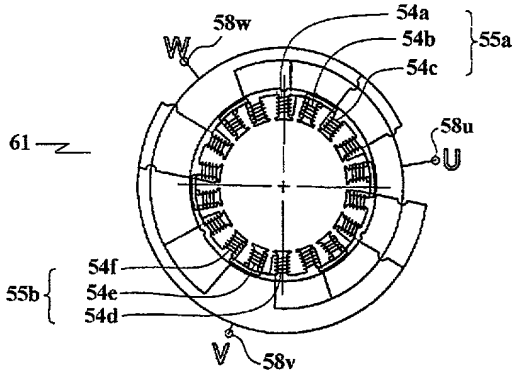


FIG. 3

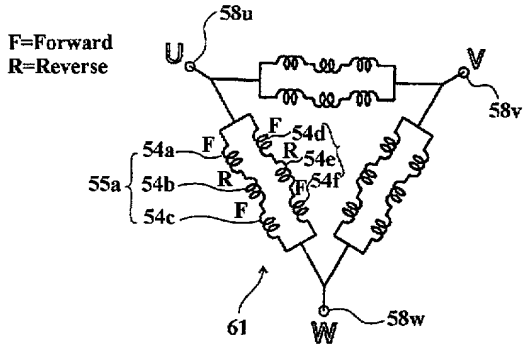


FIG. 4

SUBSTITUTE SHEET

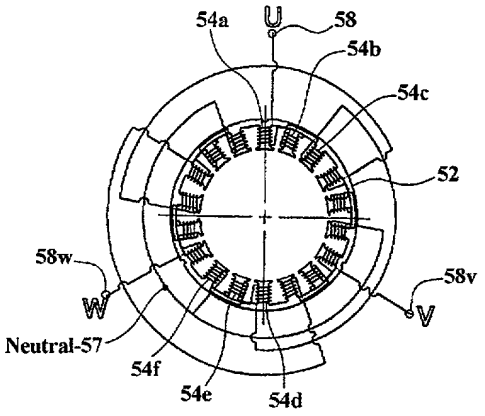


FIG. 5
(Prior Art)

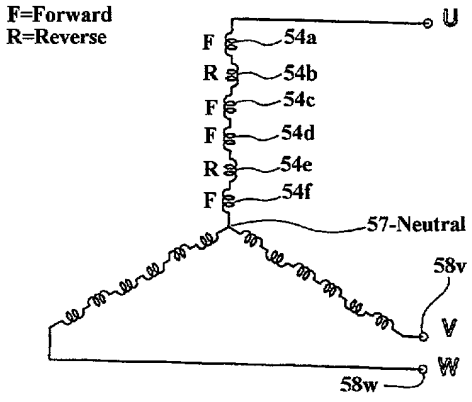


FIG. 6
(Prior Art)

SAP-1.5.20 - 2.6.0.0.3.6.3.0

F=Forward
R=Reverse

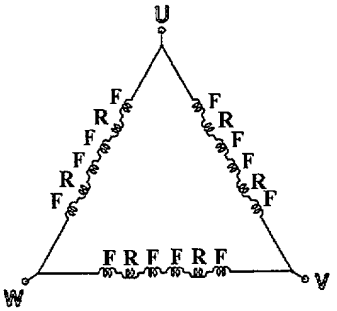


FIG. 7
(Prior Art)

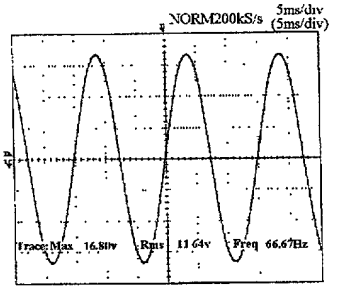


FIG. 8
(Prior Art)

FIG. 9 (Prior Art)

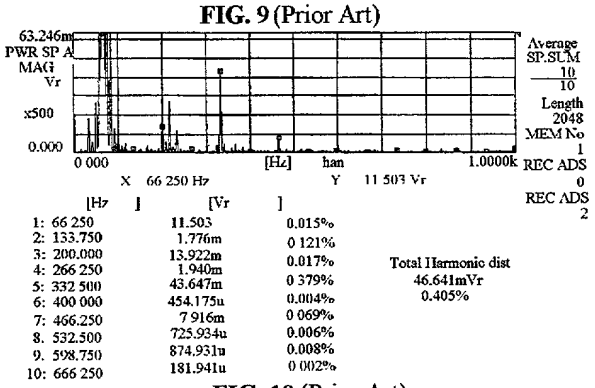


FIG. 10 (Prior Art)

Replacement Sheet

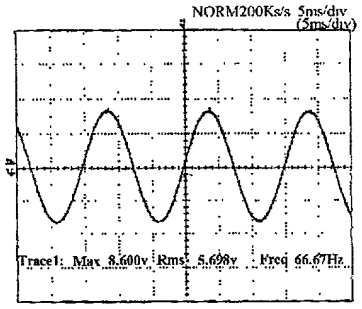
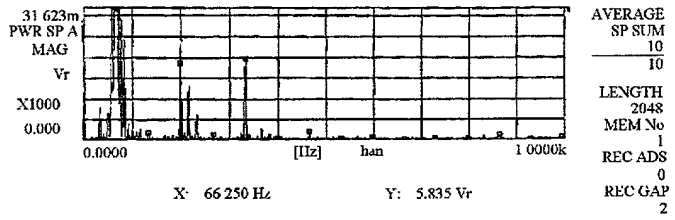


FIG. 11

FIG. 12



	[Hz]	[Vr]		
1.	66.250	5 835		
2:	132.500	1.845m	0.032%	
3:	198 750	18.777m	0.322%	
4	266.250	1.133m	0 019%	Total Harmonic dist.
5.	332.500	19.801m	-0.339%	27.461mVr
6:	398.750	63.237u	0 001%	0 471%
7:	465 000	1.866m	0 032%	
8	531.250	289.257u	0.005%	
9·	597 500	429 187u	0 007%	
10.	665 000	89.289u	0.002%	

FIG. 13

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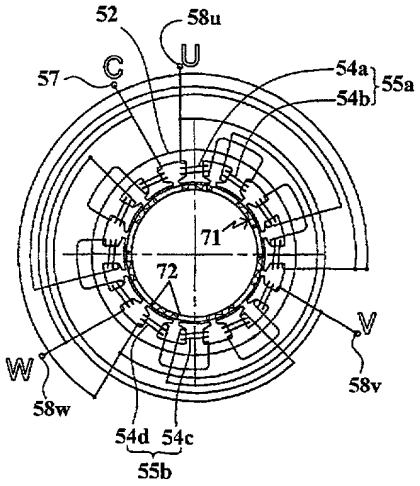

FIG. 14

F=Forward
R=Reverse

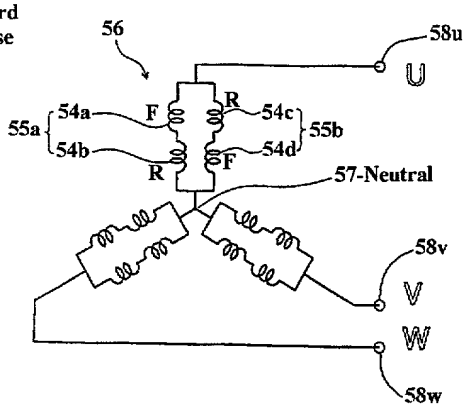

FIG. 15

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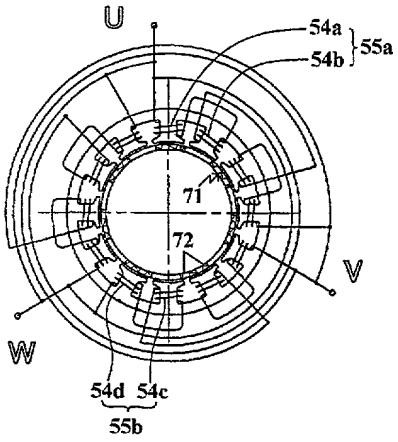


FIG. 16

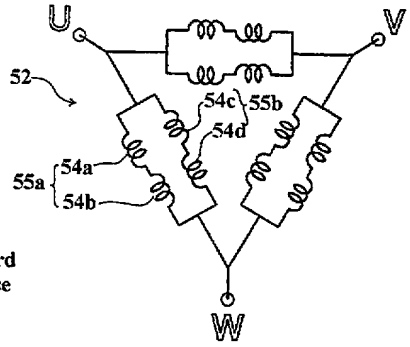


FIG. 17

F=Forward
R=Reverse

Application Filed

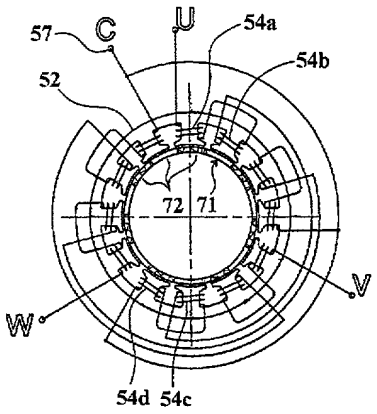


FIG. 18
(Prior Art)

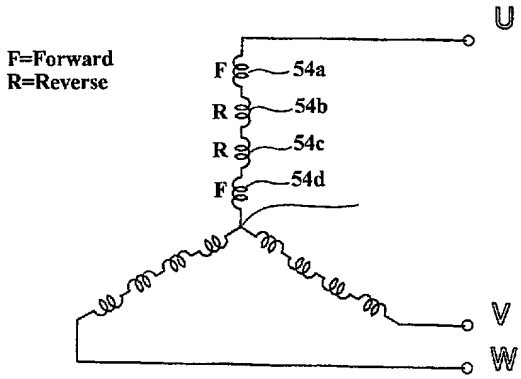
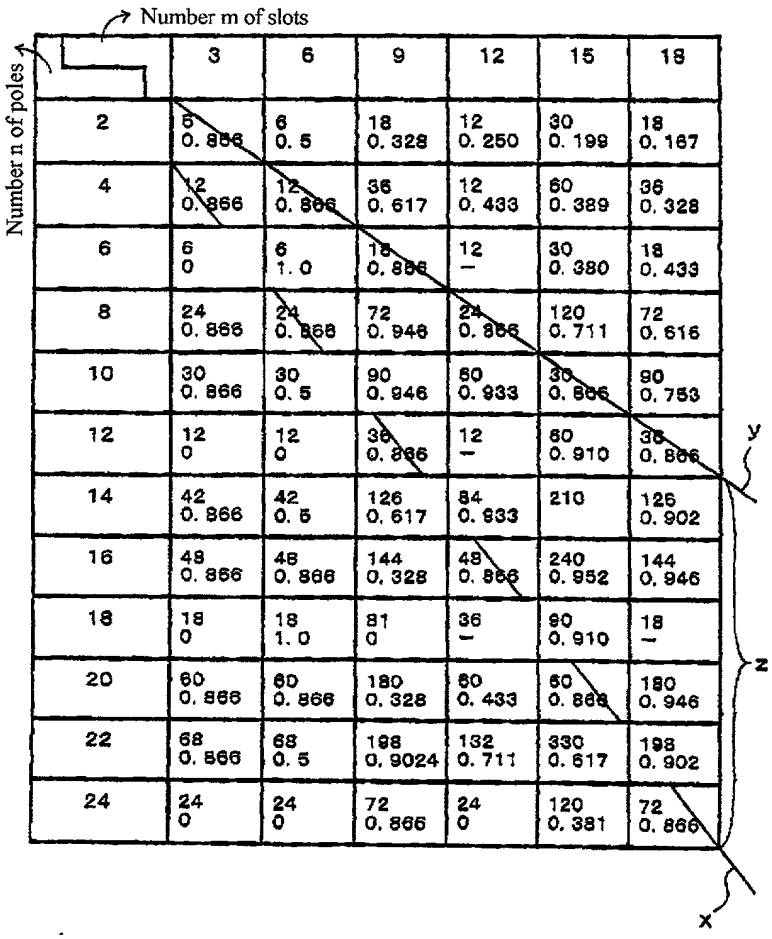


FIG. 19
(Prior Art)

Serial No. 09683997



Upper Row: cogging torque frequency Lower row: winding coefficient

Line x: m=(3/4) X n

short-pitch winding coefficient 0.866

distributed winding coefficient

Line y: m=(3/2) X n

short-pitch winding coefficient 0.866

distributed winding coefficient

Region Z: (2/3)m<n<(4/3)m

FIG. 20

Application Serial No. 09/683,997